Name: _____   Date: _____

Night Bat

The bat flies from the cave in search of food. It eats 15 insects during the first hour, 22 insects during the second hour, and 29 insects during the third hour. The pattern continues throughout the night feeding time.

- What is the pattern in the number of insects the bat eats?
- How many insects will the bat eat in the fifth hour?
- How many insects will the bat eat in all during the 6 hours of night feeding?

Explain your best mathematical thinking using numbers, words, tables, and/or pictures.

Name: __Possible Solution__   Date: _____

Night Bat

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hour	insects
1	15
2	22
3	29
4	36
5	43
6	50

+7

+7

195

ANSWERS

- The pattern is that the bat eats 7 more insects each hour.

- I continued the pattern. As the table shows, the bat will eat 43 insects in the 5th hour.

- I added up the insects column to find the total number of insects the bat ate in 6 hours of night feeding. The bat ate 195 insects in all this night.